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**Thubert et al.**

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(54) **NETWORKING DEVICE WITH  
ORTHOGONAL SWITCH BARS**

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See application file for complete search history.

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(57) **ABSTRACT**

A networking device with orthogonal switch bars may be  
provided. The networking device may comprise a first  
plurality of switch bars comprising leaf switches arranged  
parallel to one another. In addition, the networking device  
may comprise a second plurality of switch bars comprising  
top of pod switches arranged parallel to one another. Fur-  
thermore, the networking device may comprise a third  
plurality of switch bars comprising top of fabric switches  
arranged parallel to one another. The first plurality of switch  
bars, the second plurality of switch bars, and the third  
plurality of switch bars may be arranged mutually orthogo-  
nally. The first plurality of switch bars may be adjacent to  
and connected to the second plurality of switch bars and the  
second plurality of switch bars may be adjacent to and  
connected to the third plurality of switch bars.

**20 Claims, 20 Drawing Sheets**

